



# SEQUENCE LISTING

<110> Jin, Cheng  
Chung, Mary  
Siddiqui-Jain, Adam  
Whitten, Jeffrey  
Farrell, Thomas

<120> HIGH-THROUGHPUT METHODS FOR IDENTIFYING  
QUADRUPLEX FORMING NUCLEIC ACIDS AND MODULATORS THEREOF

<130> 532232000800

<140> US 10/660,897

<141> 2003-09-11

<150> 60/410,475

<151> 2002-09-12

<160> 40

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> quadruplex forming sequence

<400> 1

tggggaggggt ggggaggggtg gggaagg

27

<210> 2

<211> 37

<212> DNA

<213> Artificial Sequence

<220>

<223> quadruplex forming sequence

<400> 2

ggggggggggg gggcgggggc gggggcgggg gaggggt

37

<210> 3

<211> 58

<212> DNA

<213> Artificial Sequence

<220>

<223> quadruplex forming sequence

<400> 3

ggggggggggac gcgggagctg ggggaggggc ttggggccag ggcggggcgc ttaggggg

58

<210> 4

<211> 28

<212> DNA

<213> Artificial Sequence

<220>  
 <223> quadruplex forming sequence  
  
 <400> 4  
 aggaagggga gggccggggg gaggtggc 28  
  
 <210> 5  
 <211> 29  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> quadruplex forming sequence  
  
 <400> 5  
 gggggcgcgcg gcgcgcgcgc gcgcgcgcgc 29  
  
 <210> 6  
 <211> 25  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> quadruplex forming sequence  
  
 <400> 6  
 gggaggaagg gggcgggagt cgggg 25  
  
 <210> 7  
 <211> 30  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> quadruplex forming sequence  
  
 <400> 7  
 ggggacgcgg gcggggggcgg ggggagggcg 30  
  
 <210> 8  
 <211> 34  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> quadruplex forming sequence  
  
 <400> 8  
 gggagggagg gaaggaggga gggagggagg gagc 34  
  
 <210> 9  
 <211> 20  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> quadruplex forming sequence  
  
 <400> 9  
 gggggcgggg cggggcgggg 20

<210> 10  
 <211> 27  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> quadruplex forming sequence  
  
 <400> 10  
 ggaggaggag gaagaggagg aggaggc 27  
  
 <210> 11  
 <211> 12  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> quadruplex forming sequence  
  
 <400> 11  
 ggaggaggag ga 12  
  
 <210> 12  
 <211> 38  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> quadruplex forming sequence  
  
 <400> 12  
 agagaagagg ggaggaggag gaggagagga ggaggcgc 38  
  
 <210> 13  
 <211> 13  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> quadruplex forming sequence  
  
 <400> 13  
 ggagggggag ggg 13  
  
 <210> 14  
 <211> 28  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> quadruplex forming sequence  
  
 <400> 14  
 aggagaagga ggaggtggag gaggaggg 28  
  
 <210> 15  
 <211> 32  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> quadruplex forming sequence

<400> 15 ggaggaggaa gaatgcgagg aggagggagg ag	32
<210> 16 <211> 25 <212> DNA <213> Artificial Sequence	
<220> <223> quadruplex forming sequence	
<400> 16 ccgaaggagg aaggaggagg agggg	25
<210> 17 <211> 20 <212> DNA <213> Artificial Sequence	
<220> <223> oligonucleotide	
<400> 17 aggggtgggga ggggtgggga	20
<210> 18 <211> 20 <212> DNA <213> Artificial Sequence	
<220> <223> oligonucleotide	
<400> 18 ttccccaccc tccccaccct	20
<210> 19 <211> 12 <212> DNA <213> Artificial Sequence	
<220> <223> oligonucleotide	
<400> 19 gggggttttg gg	12
<210> 20 <211> 15 <212> DNA <213> Artificial Sequence	
<220> <223> oligonucleotide	
<400> 20 ggttggtgtg gttgg	15
<210> 21 <211> 33 <212> DNA	

<213> Artificial Sequence

<220>

<223> oligonucleotide

<400> 21

tagagggggc gggggcgggg gcgggggagg ggt

33

<210> 22

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> oligonucleotide

<400> 22

ggaggtggag gaggaggct

20

<210> 23

<211> 32

<212> DNA

<213> Artificial Sequence

<220>

<223> oligonucleotide

<400> 23

gaggaggagg aggtcacgga ggaggaggag aa

32

<210> 24

<211> 12

<212> DNA

<213> Artificial Sequence

<220>

<223> oligonucleotide

<400> 24

ggaggaggag ga

12

<210> 25

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> oligonucleotide

<400> 25

ggaggaggag gaggaggagg agga

24

<210> 26

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> oligonucleotide

<400> 26

aagagagagg ggaggaggaa gagaggagga

30

<210> 27  
 <211> 30  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> oligonucleotide  
  
 <400> 27  
 gggagggagg gaaggaggga gggagggagc 30  
  
 <210> 28  
 <211> 25  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> oligonucleotide  
  
 <400> 28  
 ggggaggagg aggaaggagg aagcc 25  
  
 <210> 29  
 <211> 16  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> oligonucleotide  
  
 <400> 29  
 ggggtgggtgg gtgggt 16  
  
 <210> 30  
 <211> 17  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> oligonucleotide  
  
 <400> 30  
 gtggtgggtg ggtgggt 17  
  
 <210> 31  
 <211> 15  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> oligonucleotide  
  
 <400> 31  
 ggttggtgtg gttgg 15  
  
 <210> 32  
 <211> 12  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>

<223> motif  
 <400> 32  
 ggaggaggag ga 12  
 <210> 33  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
 <220>  
 <223> oligonucleotide  
 <400> 33  
 cgcttgatga gtcagccgga a 21  
 <210> 34  
 <211> 27  
 <212> DNA  
 <213> Artificial Sequence  
 <220>  
 <223> oligonucleotide  
 <400> 34  
 tggggagggt ggggagggtg ggggaagg 27  
 <210> 35  
 <211> 27  
 <212> DNA  
 <213> Artificial Sequence  
 <220>  
 <223> oligonucleotide  
 <400> 35  
 ccttccccac cctccccacc ctcccca 27  
 <210> 36  
 <211> 30  
 <212> DNA  
 <213> Artificial Sequence  
 <220>  
 <223> primer oligonucleotide  
 <400> 36  
 agctgctagc cctgcgatga tttataactca 30  
 <210> 37  
 <211> 30  
 <212> DNA  
 <213> Artificial Sequence  
 <220>  
 <223> primer oligonucleotide  
 <400> 37  
 atcgagatct agagcctttc agagaagcgg 30  
 <210> 38  
 <211> 11

<212> DNA  
<213> Artificial Sequence

<220>  
<223> motif

<400> 38  
ggaggaggag g 11

<210> 39  
<211> 15  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> sequence for template strand

<400> 39  
tccaactatg tatac 15

<210> 40  
<211> 35  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> sequence for template strand

<400> 40  
ttagcgacac gcaattgcta tagtgagtcg tatta 35